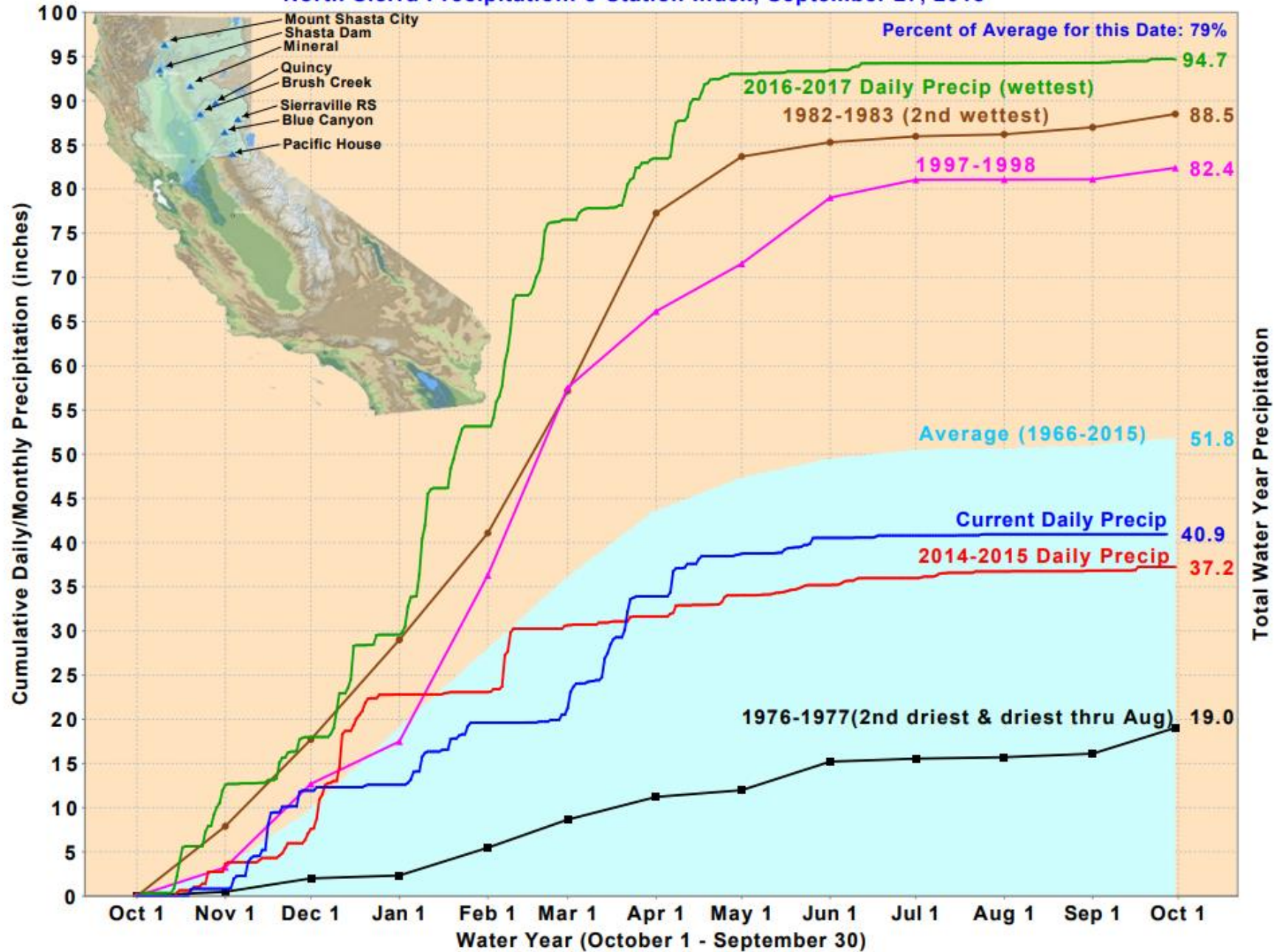


HYDROLOGY UPDATE FOR THE BAY-DELTA WATERSHED

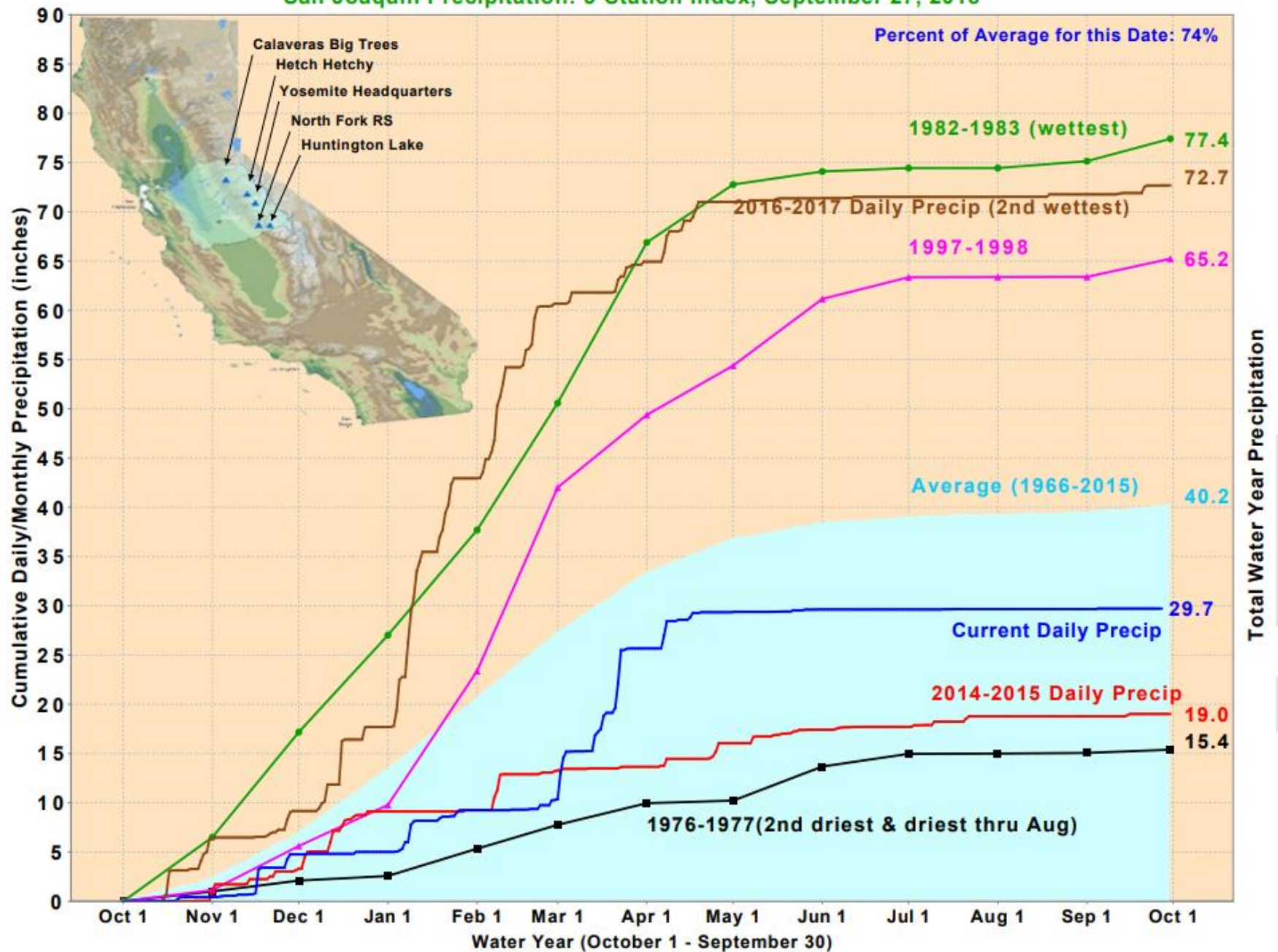


OCTOBER 2, 2018 – ITEM #5

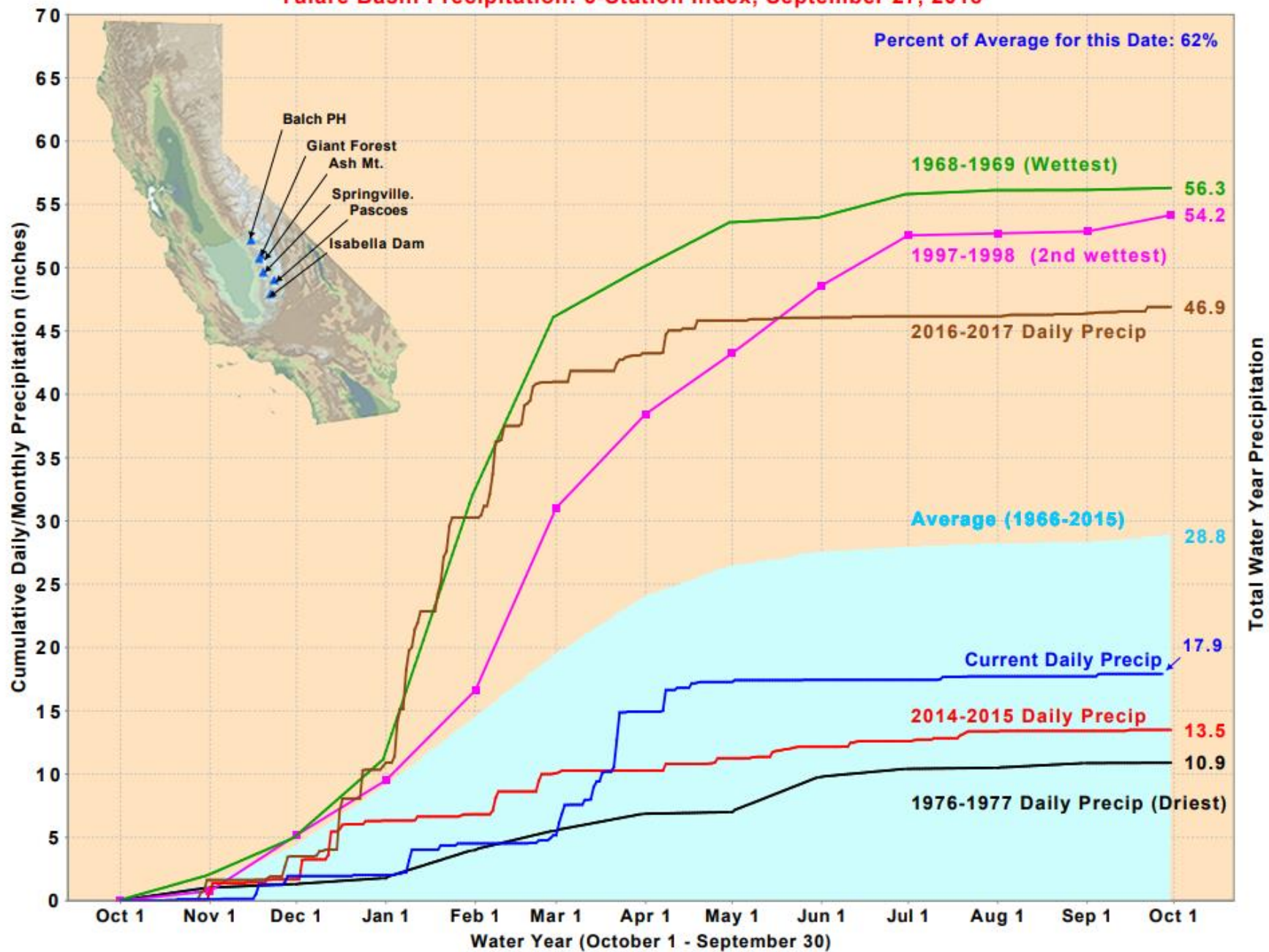
North Sierra Precipitation: 8-Station Index, September 27, 2018



San Joaquin Precipitation: 5-Station Index, September 27, 2018

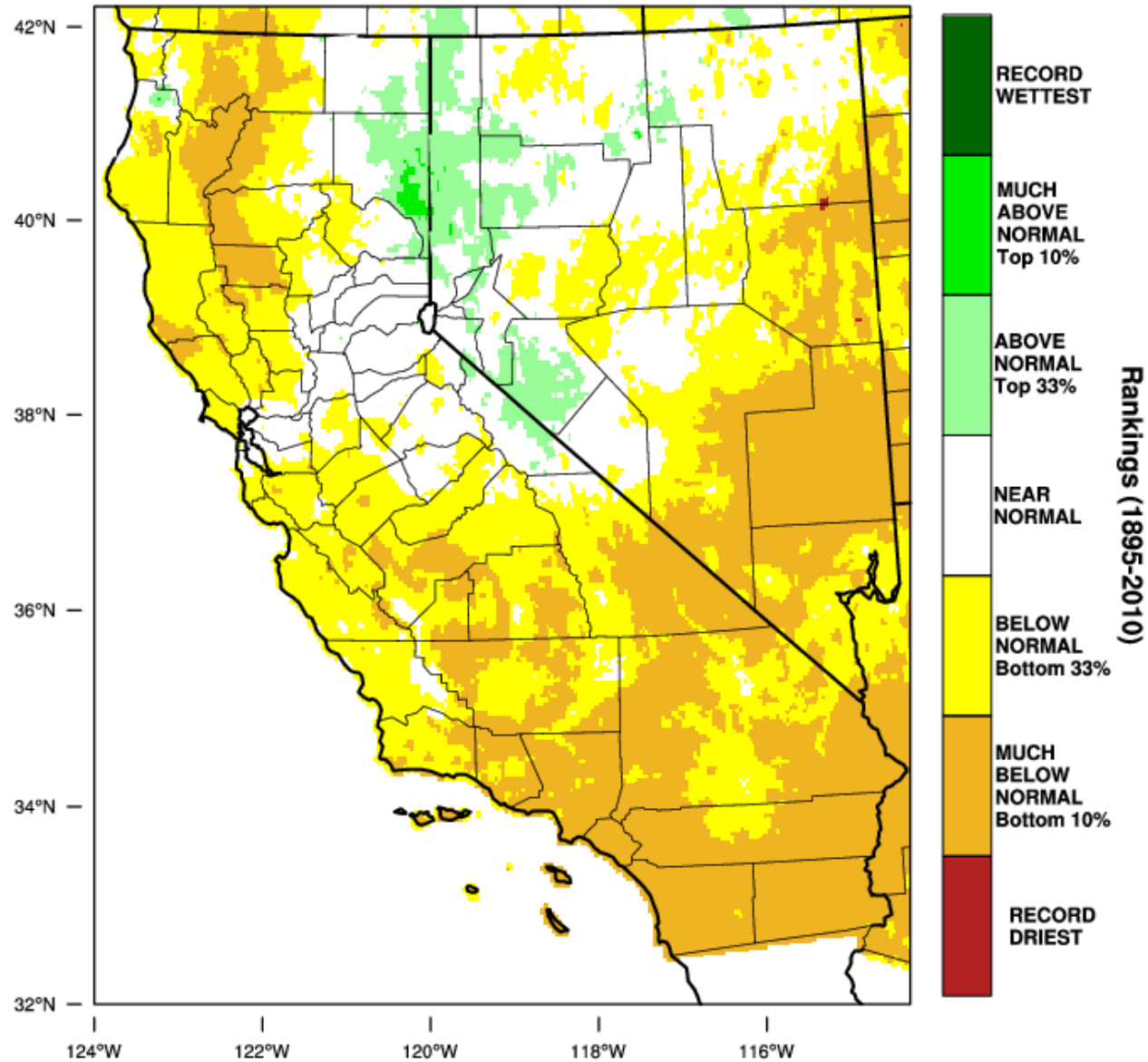


Tulare Basin Precipitation: 6-Station Index, September 27, 2018



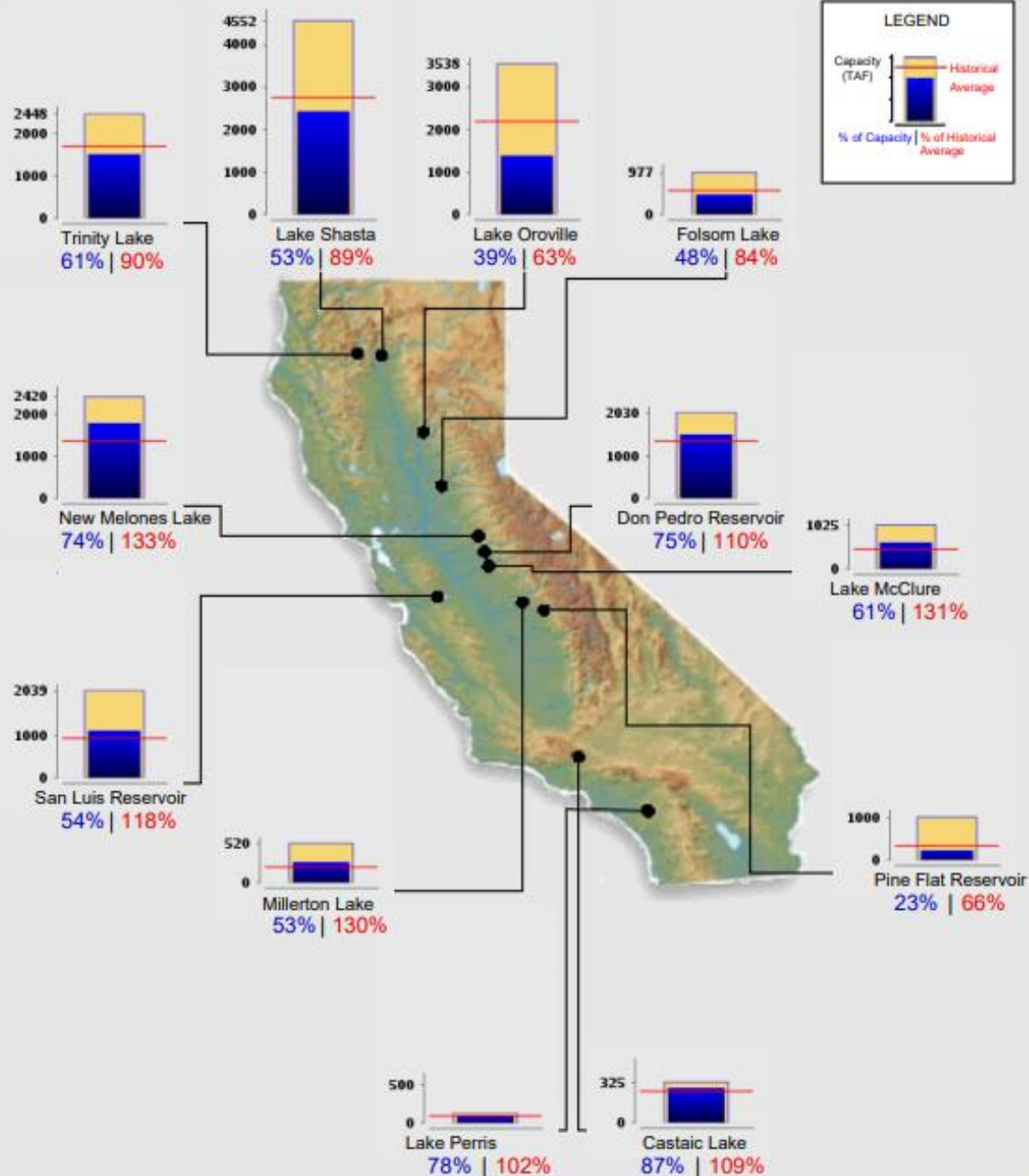
California - Precipitation

October-August 2018 Percentile



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 SEP 2018

CURRENT RESERVOIR CONDITIONS



Graph Updated 09/28/2018 08:18 AM

Other Reservoirs

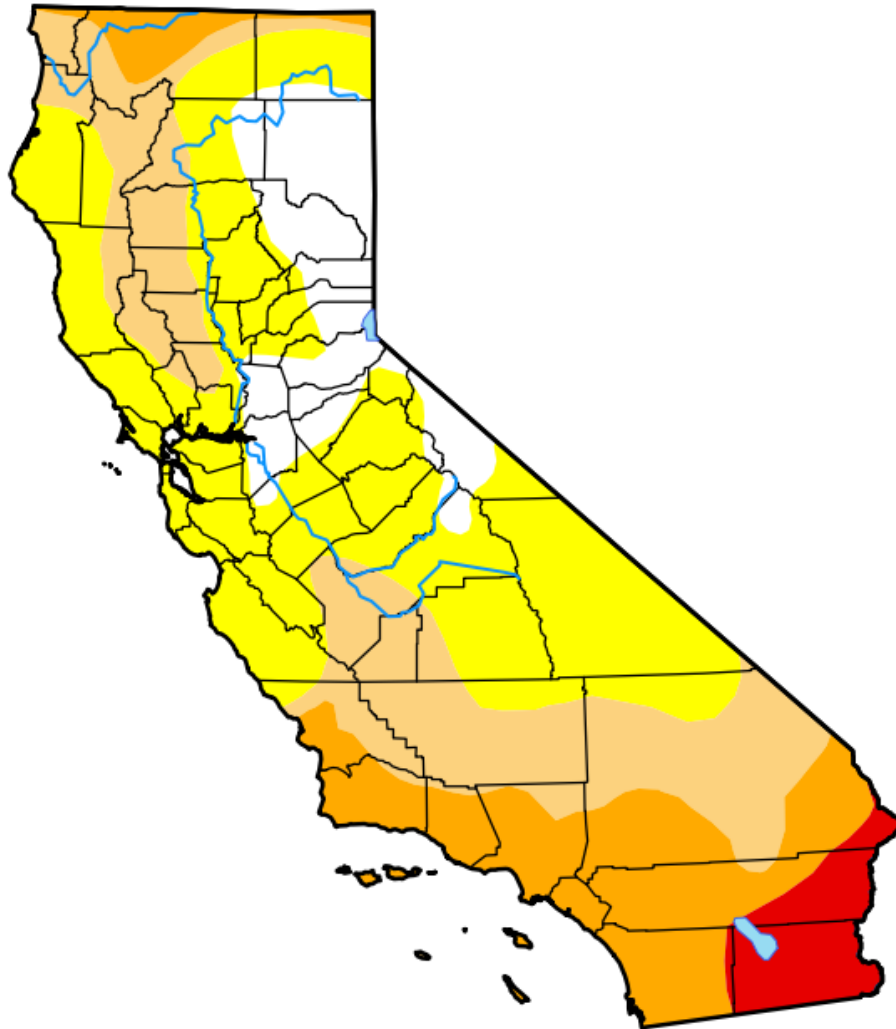
- **Cachuma Reservoir:** 61,432 acre-feet full out of 205,000 acre-foot capacity (30% of capacity and 41% of average)
- **Diamond Valley Lake:** 706,237 acre-feet full out of 810,000 acre-foot capacity (87% of capacity)
- **San Luis Reservoir:** 1,112,033 acre-feet out of 2,041,000 acre-feet capacity (54% of capacity and 118% of average)

U.S. Drought Monitor California

September 25, 2018

(Released Thursday, Sep. 27, 2018)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	12.18	87.82	47.97	22.82	4.94	0.00
Last Week <i>09-18-2018</i>	12.18	87.82	47.97	22.82	4.94	0.00
3 Months Ago <i>06-26-2018</i>	14.92	85.08	44.17	20.75	2.77	0.00
Start of Calendar Year <i>01-02-2018</i>	55.70	44.30	12.69	0.00	0.00	0.00
Start of Water Year <i>09-26-2017</i>	77.88	22.12	8.24	0.00	0.00	0.00
One Year Ago <i>09-26-2017</i>	77.88	22.12	8.24	0.00	0.00	0.00

Intensity:

 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought
 D2 Severe Drought	

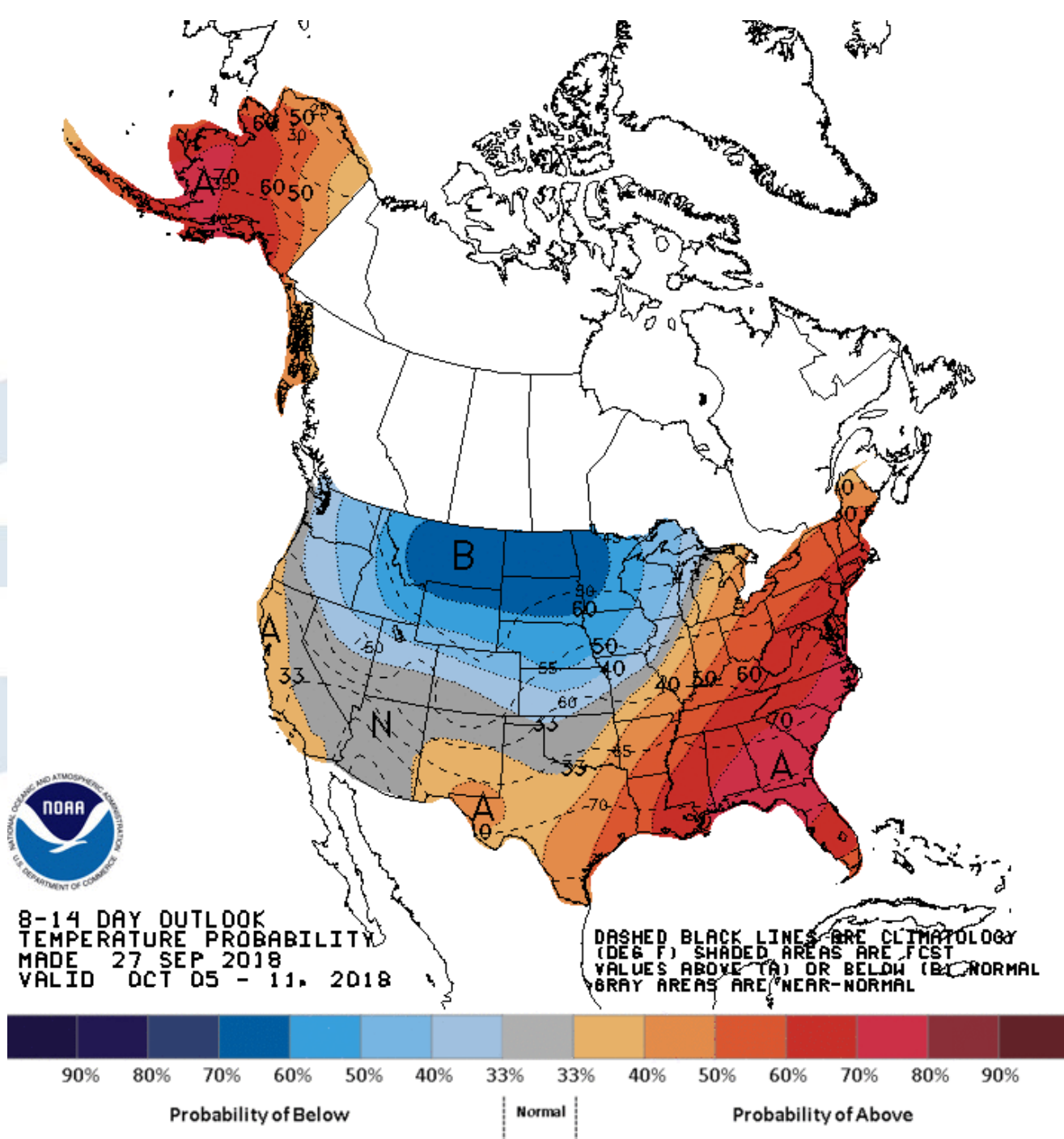
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

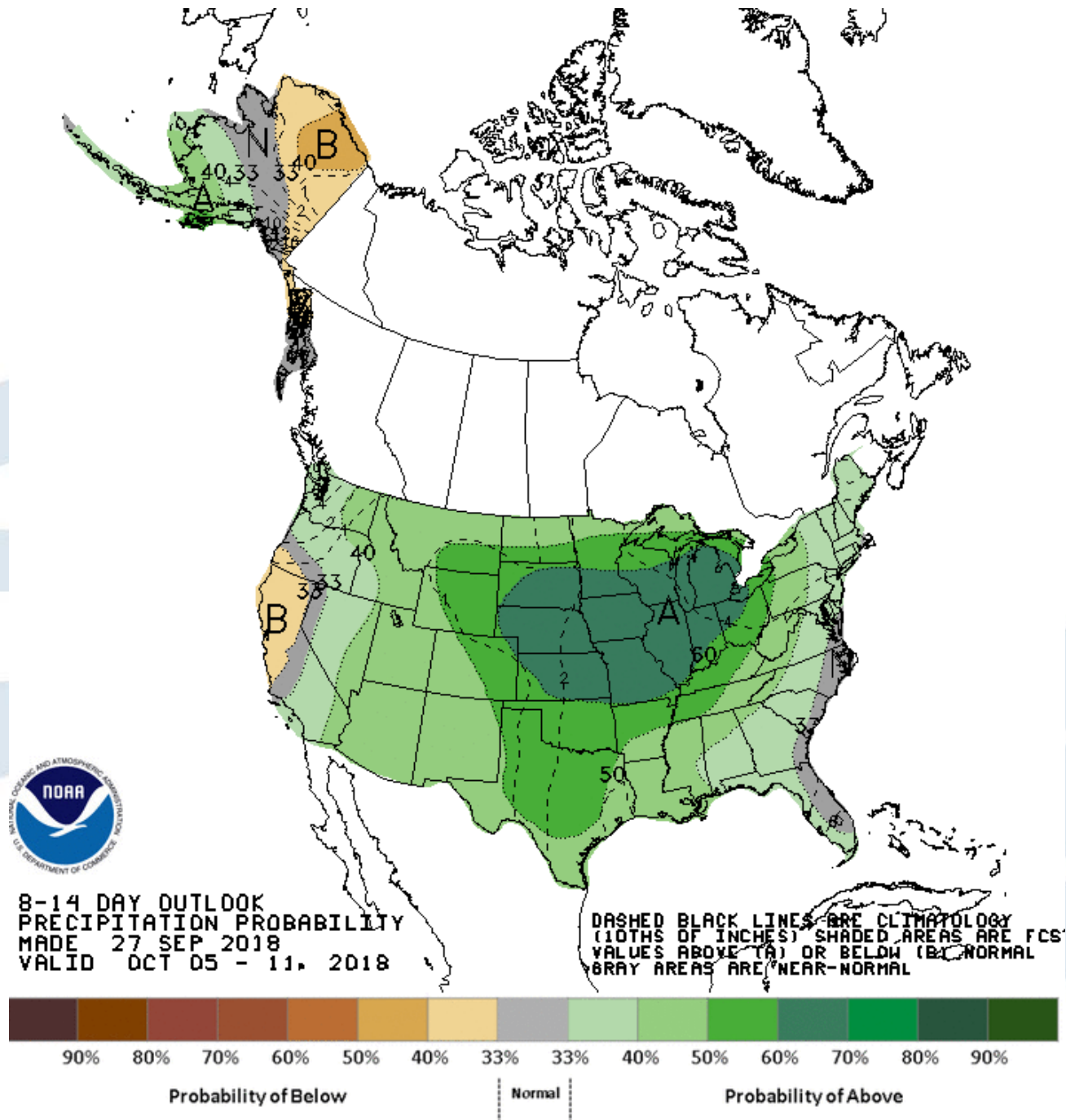
Author:

Jessica Blunden
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

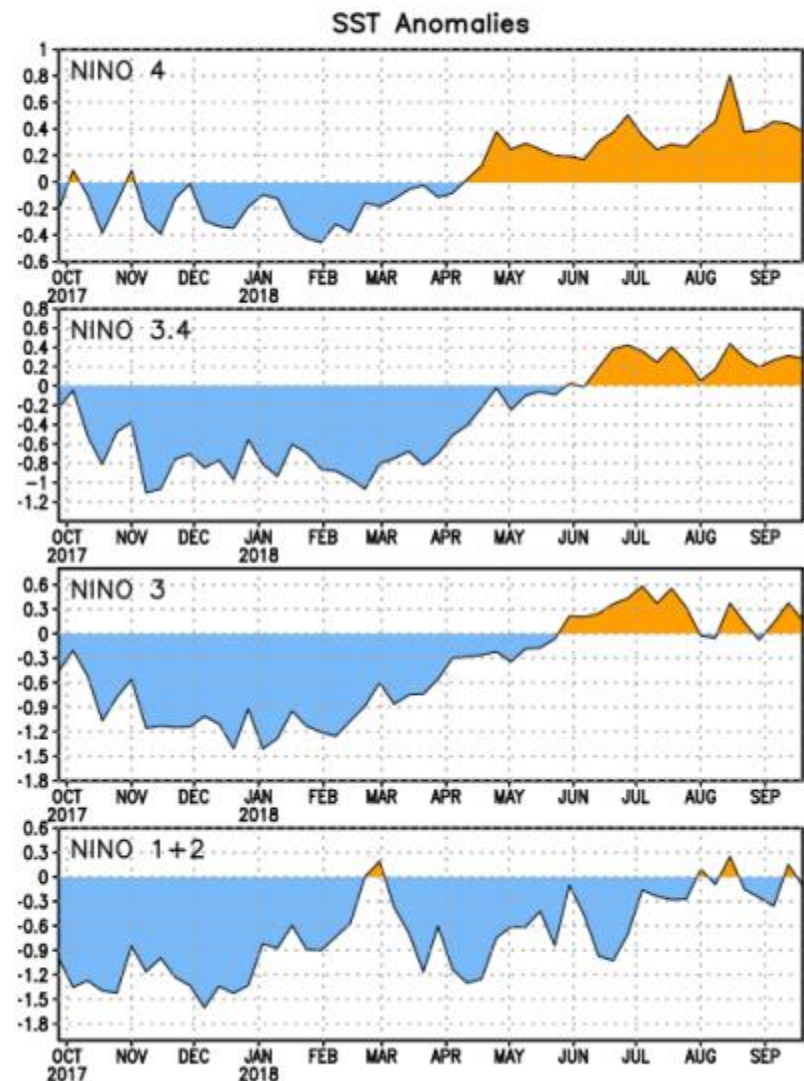
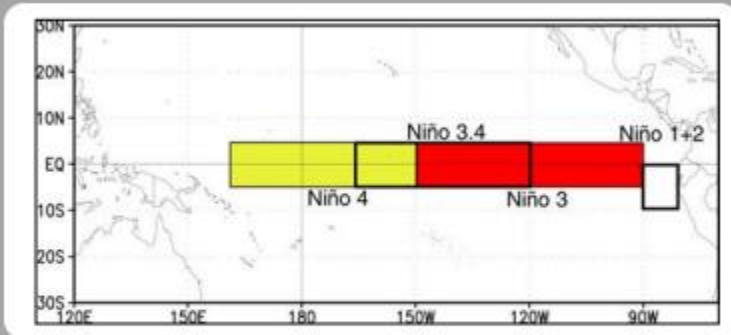




Niño Region SST Departures (°C) Recent Evolution

The latest weekly SST departures are:

Niño 4	0.4°C
Niño 3.4	0.3°C
Niño 3	0.2°C
Niño 1+2	-0.1°C



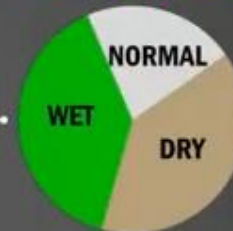
PAST EL NINO EVENTS

1950-2018*

NORTHERN CA



SIERRA NEVADA



CENTRAL CA



SOUTHERN CA



NATIONAL WEATHER SERVICE

SACRAMENTO, CA

*23 historical El Niño Seasons
Data: PRISM, Oregon State University



Questions?

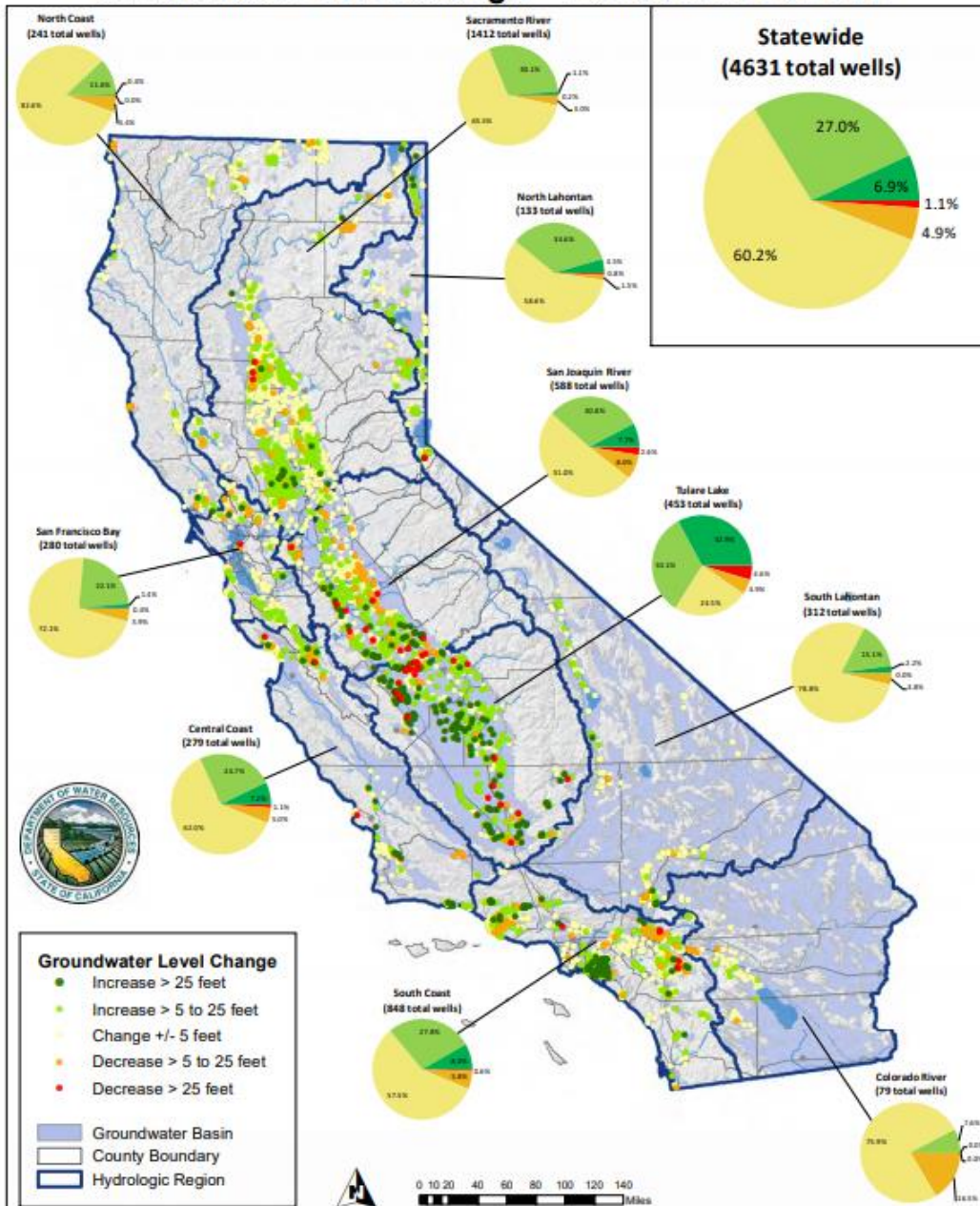
Extra Slides

The slide features a light blue background with three thick, wavy, light blue lines that sweep across the bottom half of the frame. The lines are smooth and fluid, creating a sense of movement. The text 'Extra Slides' is centered in the upper half of the slide, rendered in a bold, dark blue, sans-serif font.

El Niño/La Niña

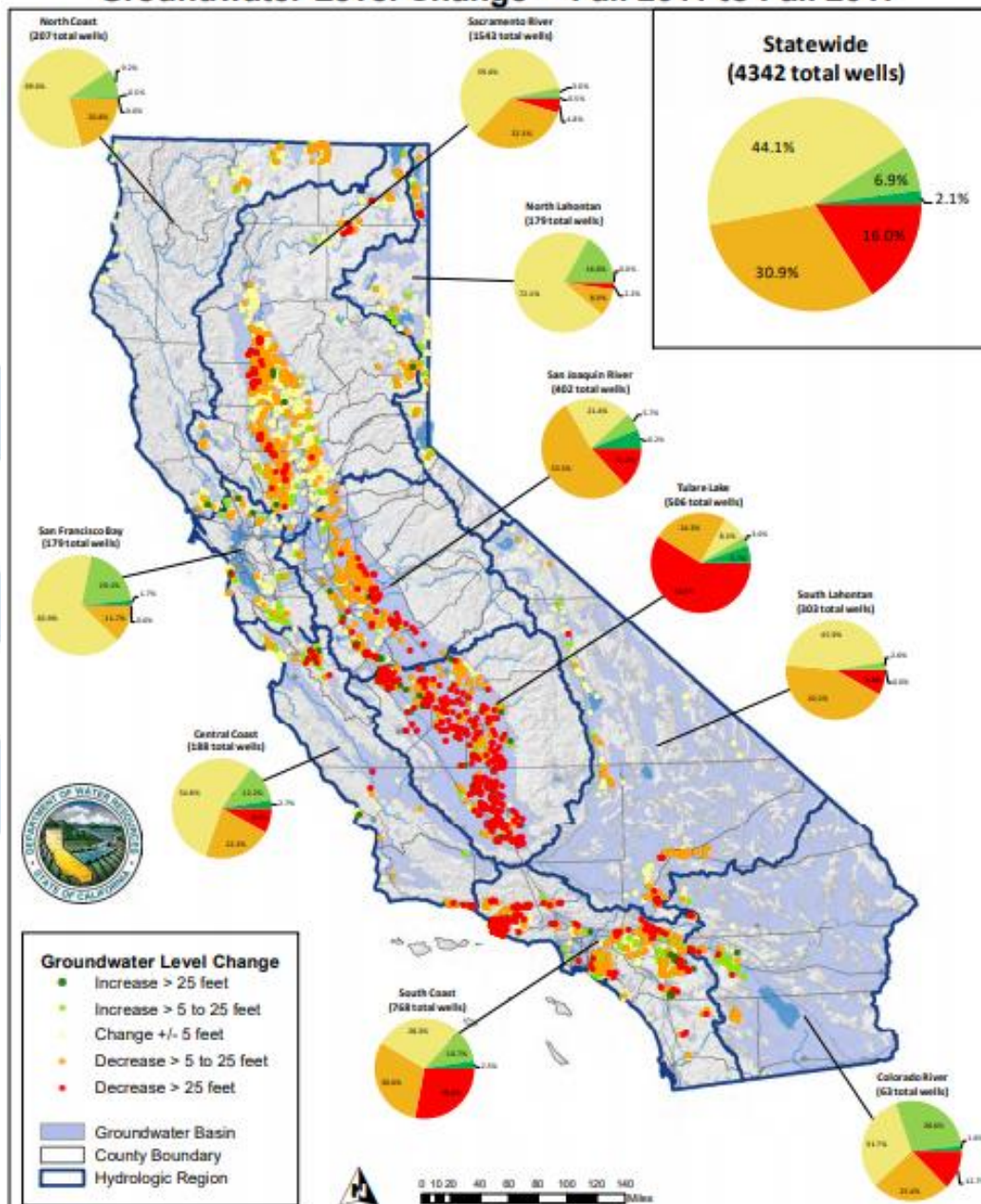
As of September 13, 2018, the National Oceanic and Atmospheric Administration (NOAA) predicts a 50-55% chance of El Niño onset during the Northern Hemisphere fall 2018, increasing to 65-70% during winter 2018-2019.

Groundwater Level Change* - Fall 2016 to Fall 2017



*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 02/21/2018. Document Name: PIEMAP_F1716_25ft
Updated: 2/26/2018. Data subject to change without notice.

Groundwater Level Change* - Fall 2011 to Fall 2017



*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 02/21/2018. Document Name: PIEMAP_F1711_25ft
Updated: 2/26/2018. Data subject to change without notice.